

Research Cruise to Study Carbon Dioxide Fluxes

Scientists from the Ocean Chemistry Division will board the NOAA ship *Ronald H. Brown* and depart Miami, Florida on May 7, 1998 to begin participation in the two-month long Gas Exchange Experiment (GAS EX-98). GAS EX-98 is the most comprehensive air-sea gas exchange study ever undertaken in



blue waters and will involve the efforts of more than 50 scientists and technicians from dozens of research institutions. Its goal will be to constrain air-sea fluxes using a multitude of new and proven techniques. The focus will be on carbon dioxide fluxes to quantify the large CO₂ sink in the North Atlantic. In true collaborative spirit, other research divisions at AOML, most notably the Physical Oceanography Division, are contributing significant resources to the effort.

The cruise will consist of three legs and will travel to Lisbon, Portugal and Ponta Delgada, Azores. At the end of leg 1, the crew and scientific complement will participate in opening ceremonies commemorating the Year of the Ocean in Lisbon, Portugal.

The research is supported by grants of the NOAA Ocean-Atmosphere Carbon Exchange Study (OACES) of the Office of Global Programs, NASA, NSF, and ONR.

**MEMORIAL DAY
MAY 25, 1998**

"Next Generation" Clocks In

AOML's labor force was temporarily augmented on Thursday, April 23, 1998 as the "next generation," the daughters and sons of AOML's staff, spent a day on the job with their parents. Take Our Daughters to Work Day provided the occasion.

Take Our Daughters to Work Day was created by the Ms. Foundation for Women in 1993 as a means of focusing attention on the needs and concerns of young girls. It has since become a nationally-recognized event. Many organizations have expanded the concept to include boys as well, stating that all children, girls and boys, need to be nurtured and encouraged.

NOAA management invited employees to bring their children to the workplace on Take Our Daughters to Work Day as way of "broadening their experience." Children were able to observe a real work environment, spend time with a parent, and learn something about their job duties.

Afternoon refreshments were provided for the children by the Morale, Welfare, and Recreation Committee and an educational video about the work of OAR was presented. Here are a few of AOML's young faces, the next generation.



Ulises Rivero with Marissa and Alex.



Alberto Mestas-Nuñez with Cecilia and Carolina.



Shuka and Ramin Daneshzadeh.



Carla Stephens with Lucy.

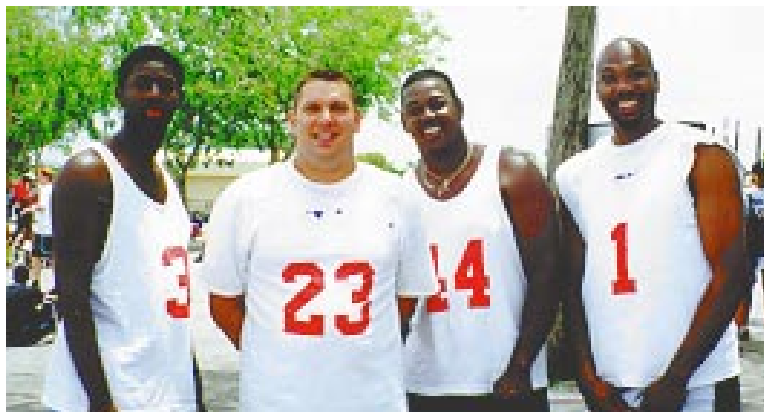
Travel

Mark Bushnell attended the Second ONR/MTS Buoy Workshop in San Diego, California on April 1-2, 1998. His invited presentation, "The Global Drifter Center at AOML: Present Status and Plans," was the only report that addressed drifting buoys.

Evan Forde will attend the OAR Outreach Coordinator's Workshop in Boulder, Colorado on May 11-14, 1998. He will make a presentation entitled "A Scientist's Perspective of OAR Educational Outreach."

Personnel from the Ocean Acoustics and Ocean Chemistry Divisions participated in a two-week research cruise during April 1998 aboard the Environmental Protection Agency research ship *Peter W. Anderson*. The research was undertaken in conjunction with the U.S. EPA and U.S. Army Corps of Engineers to obtain scientific data on sewage effluent plumes and discharged dredged material transport and dispersion in Puerto Rican waters. Excellent data sets from several ocean outfalls and dredged material discharges were obtained. OAD personnel included **Paul Dammann, Jules Craynock, Alejandra Lorenzo, Ulises Rivero, Jack Stamates, Jeff Bufkin, and John Proni**; OCD personnel included **Terry Nelsen and Ginger Garte**.

Slam Jumps to Second Place in Basketball Tournament



Pictured: Greg Banes, Jr., Armando Cuervo, Greg Banes, and Lester Allen.

Greg Banes, Armando Cuervo, Greg Banes, Jr., and Lester Allen, members of the team *Slam*, competed in the annual "Hoop It Up Miami" basketball tournament at the Tamiami Fairgrounds on April 18-19, 1998. *Slam* entered the tournament at the "competitive" level and went on to win every game in their division. A play-off injury to team mate Lester Allen forced *Slam* to compete for the Division Championship without him, contributing to their overall second place finish. The weekend was full of excitement, and the players, along with family members, had a great time.

Welcome Aboard

Oscar Otero joins the Office of the Director as a systems-database administrator. Oscar, a former meteorologist, worked for the Cuban Institute of Meteorology in the Numerical Weather Prediction and Climatology Divisions before entering the world of database management after relocating to Spain. Oscar has served as a consultant for Oracle Iberica and as a developer and database administrator for companies in Spain and France.

Armando Cuervo joins the Office of the Director to assist the administrative staff in processing procurement items such as bankcard statements, GBLs, and BPAs.

UPCOMING INFORMAL RESEARCH REPORTS*

Date	Division	Speaker	Title of Report
May 1, 1998†	PhOD	Dr. Molly O. Baringer	Preliminary results from the repeat hydrographic 24°N cruise.
May 7, 1998	OCD	Dr. Terry A. Nelsen	Updated results from the retrospective study of Florida Bay sediments.
May 12, 1998	PhOD	Mr. David S. Bitterman	Recent instrumentation developments in PhOD.
May 19, 1998	HRD	Mr. W. Douglas Wilson	Florida Bay circulation and exchange studies: Preliminary results from moorings and surveys on the southwest Florida shelf.

*All reports begin at 3:00 p.m. in the first-floor conference room.

†Dr. Baringer's informal research report will begin at 10:30 a.m.

Conference Sponsors Host Social Event

Sponsors of the Florida Bay Science Conference will host an "Island Night on Biscayne Bay," an evening of socializing, dining, and dancing on Wednesday, May 13, 1998 at the Rosenstiel school dining room. Festivities will include free beer and non-alcoholic drinks, appetizers, a dinner buffet, and a reggae band. For more information, visit web site <http://mpo.rsmas.miami.edu/~liz/party.gif>.

NOAA DIVERSITY COUNCIL

PRESENTS A
ONE-DAY SYMPOSIUM

"Managing Diversity"

WEDNESDAY
JUNE 10, 1998

RSMAS AUDITORIUM

MANAGERS AND SUPERVISORS
SHOULD ATTEND; EMPLOYEES
ARE ENCOURAGED TO ATTEND

HOWARD FRIEDMAN, JULES
CRAYNOCK, AND EVAN FORDE
WILL PRESENT AN INFORMAL
SEMINAR IN MAY ABOUT THE

NOAA DIVERSITY COUNCIL
NOAA EEO COUNCIL
OAR OUTREACH PROGRAM

DATE, TIME, AND LOCATION OF
SEMINAR WILL BE BROADCAST
VIA EMAIL MESSAGE

Rollerblading Workshop Offered

In the interest of promoting the sport of rollerblading, Ginger Garte would like to host a rollerblading skills and tips workshop for all levels of rollerbladers, beginner to advanced. The workshop would consist of two sessions: a "skills, not spills" session and a session devoted to touring Key Biscayne by rollerblade. For more information or if interested in participating, contact Ginger at 361-4430 or garte@aoml.noaa.gov.

AOML Team Walks for MS Research

Employees from AOML formed a team and participated in the annual National Multiple Sclerosis Society's 10K Walk along Ft. Lauderdale Beach (A1A) on Sunday, March 22, 1998. The

Society is the only non-profit health organization in the United States that supports international research into the cure, cause, prevention, and treatment of multiple sclerosis. Contributions from the Walk support the Society's mission "to end the devastating effects of multiple sclerosis," one of the

two most common neurological diseases affecting young adults. AOML's team raised almost \$1,000 on behalf of the the National Multiple Sclerosis Society thanks to fellow AOMLers who sponsored them. Overall, 2,500 greater Miami-Ft. Lauderdale Walk participants raised \$350,000.



Pictured: front row (left to right): Paul Willis, Ginger Garte and Claire Black. Back row: Howie Friedman, Sam Houston, Frank Marks, and Peter Black.

National Ocean Conference Inspired by Year of the Ocean

In honor of the Year of the Ocean, the Department of Commerce and U.S. Navy will jointly host a National Ocean Conference on June 11-12,

1998 at the Naval Postgraduate School in Monterey,

California. The conference will bring together participants from federal agencies, state and local gov-

ernments, industry, and environmental groups, as well

as ocean scientists and researchers, and members of

Congress. An important goal of the conference will

be to focus attention on the essential role the oceans

play in all of our lives. John H. Dalton, Secretary of

the Navy stated, "this conference reflects a growing aware-

ness of the ocean's paramount importance to global peace and security, the world economy,

and environmental well-being." The four central themes of the conference are commerce,

global security, the environment, and exploration and education.



Keynotes is published monthly by the Atlantic Oceanographic and Meteorological Laboratory. Contributions are welcome and should be submitted prior to the last week of each month to ensure inclusion in the following month's edition. Please address all correspondence to Ms. Gail Derr, Office of the Director, 4301 Rickenbacker Causeway, Miami, FL 33149. Contributions may also be submitted by fax at (305) 361-4442 or by email (derr@aoml.noaa.gov). If you have comments, questions, or suggestions, feel free to send them along as well; we're always interested in hearing from you.

Editor - Kristina Katsaros
Publishing Editor - Gail Derr

The deadline for submitting material for the March issue of *Keynotes* is Friday, May 22, 1998.